

Technical Data

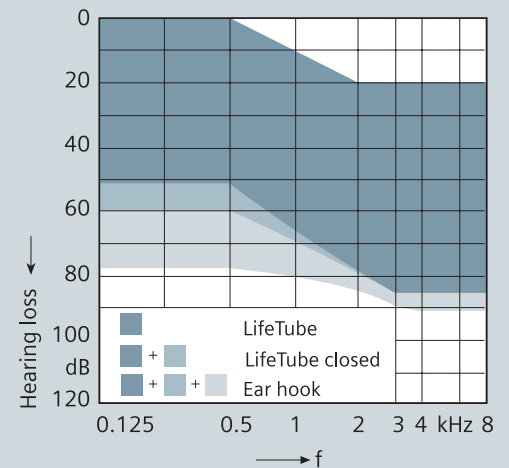
ARTIS 2 S VC



Description

- Programmable BTE instruments with e2e wireless™ and DateLearning™ technology
- Optimized solution for binaural fittings because of synchronized programs, volume and signal processing
- For mild to moderate hearing losses
- High performance directional microphone, automatic and multi-channel operation
- Automatic and adaptive feedback cancellation
- Automatic situation detection including music detection
- Adaptive noise reduction and speech enhancement in 12 channels
- eWindScreen™, wind noise reduction system
- 4 individual hearing programs (only with ePocket) for microphone audio shoe and/or telecoil
- Nanocoated housing
- AutoPhone™ switchless telecoil
- Audio Input
- Battery compartment with lock and On/Off switch
- Volume control
- Battery type 13
- Alerting tones for low battery voltage
- Professional and efficient fitting with the workflow oriented CONNEXX™ software

Fitting Range



Data Sheet

www.siemens.com/hearing

SIEMENS

ARTIS 2 S VC Technical Data

	Earhook			LifeTube		
	2 ccm coupler		Ear simulator	2 ccm coupler		Ear simulator
	IEC 118-7/A1	ANSI S3.22-2003 IEC 60118-7 :2005	IEC 118-0/A1	IEC 118-7/A1	Standard ANSI S3.22-2003; IEC 60118-7 :2005	IEC 118-0/A1
Output Sound Pressure Level						
at 2.5 kHz	122 dB	–	131 dB	111 dB	–	121 dB
Peak	123 dB	123 dB	132 dB	123 dB	123 dB	129 dB
HFA ¹ -OSPL 90	–	122 dB	–	–	114 dB	–
Gain (Input 50 dB)						
Full-on Gain (FOG) at 2.5 kHz	54 dB	–	62 dB	41 dB	–	51 dB
Full-on Gain (Peak)	55 dB	55 dB	63 dB	55 dB	55 dB	60 dB
HFA-FOG	–	52 dB	–	–	43 dB	–
Reference Test Gain	48 dB	45 dB	56 dB	36 dB	37 dB	46 dB
Frequency Range (DIN 45605)						
Low frequency limit	–	100 Hz	–	–	100 Hz	–
High frequency limit	–	6100 Hz	–	–	6700 Hz	–
Total Harmonic Distortion						
500 Hz	4 %	4 %	4 %	4 %	4 %	4 %
800 Hz	3 %	3 %	3 %	3 %	3 %	3 %
1600 Hz	1 %	1 %	1 %	1 %	1 %	1 %
Equivalent Input Noise	15 dB	18 dB	15 dB	15 dB	18 dB	15 dB
Inductive Coil Sensitivity						
MASL ² (1 mA/m) at 2,5 kHz	85 dB	83 dB	93 dB	74 dB	74 dB	83 dB
HFA SPLITS ³ (left/right)	–	108/105 dB	–	–	99/96 dB	–
RSETS ⁴ (left/right)	–	3/0 dB	–	–	2/-1 dB	–
HFA MASL	–	83 dB	–	–	74 dB	–
ETLS	–	2 dB	–	–	1 dB	–
AGC-O (= –21 dB)						
Attack time	–	4 ms	–	–	4 ms	–
Release time	–	100 ms	–	–	100 ms	–
Battery-Type 13 Cell Zinc Air						
Battery current	1.0 mA	1.2 mA	1.0 mA	1.0 mA	1.2 mA	1.0 mA
Battery life time	~ 220 h	~ 190 h	~ 220 h	~ 220 h	~ 190 h	~ 220 h
IRIL⁵ IEC 118-13 (bystander condition)						
800-960 MHz	- 5 dB	–	–	-5 dB	–	–
1400-2000 MHz	< 0 dB	–	–	< 0 dB	–	–
AI-DI⁶	4.2 dB	–	–	4.2 dB	–	–

Technical information for e2e wireless function: Operating frequencies:

$f_{low} = 115$ kHz, $f_{high} = 120$ kHz; Rated H-field strength (maximum): –11,5 μ A/m at 3 meters.

¹HFA= High Frequency Average; ²MASL=Magneto Acoustical Sensitivity Level; ³SPLITS=Coupler SPL for an Inductive Telephone Simulator;

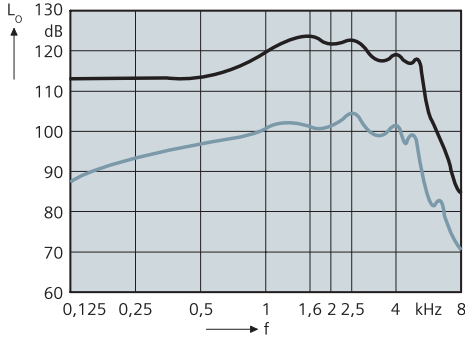
⁴RSETS=Relative Simulated Equivalent Telephone Sensitivity Measure instructions: instrument in linear setting, Input signal; Sinus Burst;

Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB; Interval: 250 ms; On; Time: 125 ms; ⁵IRIL=Input Related Interference Level;

⁶AI-DI=Articulation Index – Weighted Directivity Index

ARTIS 2 S VC Basic Data (Earhook)

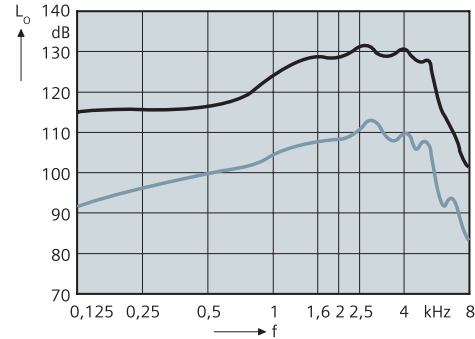
2 ccm coupler



Output Sound Pressure Level
($L_i = 90$ dB)
IEC 118-7/A1;
IEC 60118-7:2005;
ANSI S3.22-2003

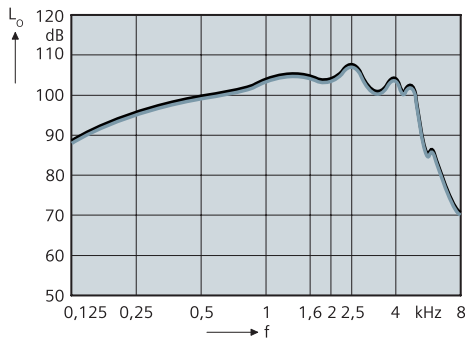
Full on Gain
($L_i = 50$ dB)
IEC 118-7/A1;
IEC 60118-7:2005;
ANSI S3.22-2003

Ear simulator



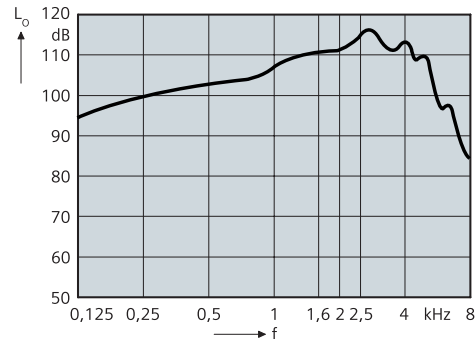
Output Sound Pressure Level
($L_i = 90$ dB)
IEC 118-0/A1

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IEC 118-0/A1

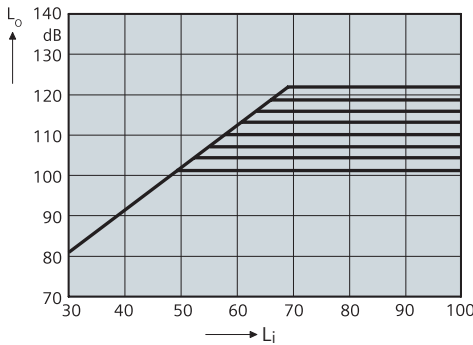


Frequency Response
($L_i = 60$ dB)
IEC 60118-7:2005;
ANSI S3.22-2003

Basic Frequency Response
($L_i = 60$ dB)
IEC 118-7/A1

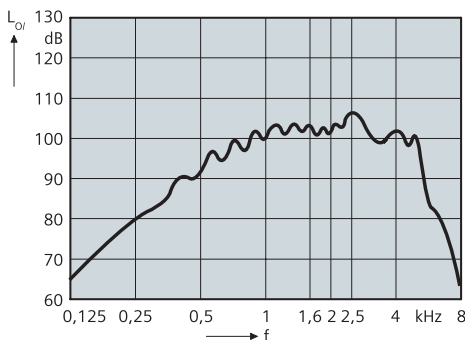


Basic Frequency Response
($L_i = 60$ dB)
IEC 118-0/A1

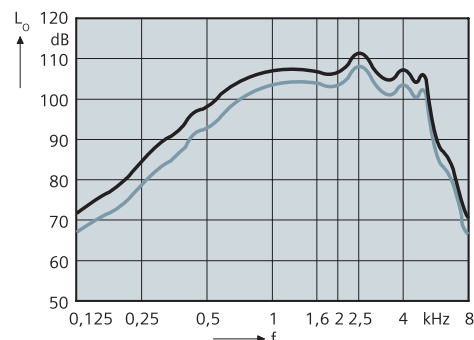


Effect of MPO
(FOG, $f=2$ kHz)
IEC 60118-7:2005;
ANSI S3.22-2003

Inductive Response



Inductive Response
($H = 10$ mA/m)
IEC 118-7/A1;
IEC 60118-7:2005;



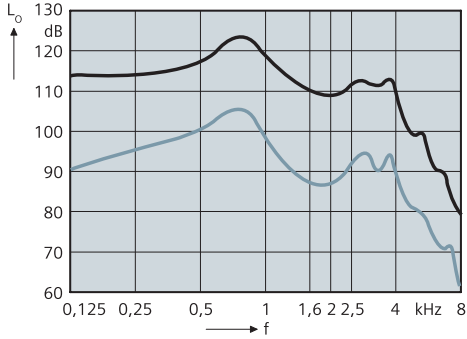
SPLITS curve left
($H = 31.6$ mA/m)
ANSI S3.22-2003

SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2003

ARTIS 2 S VC Basic Data (LifeTube™)

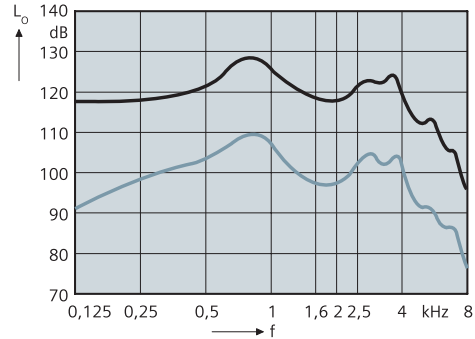
2 ccm coupler

Ear simulator



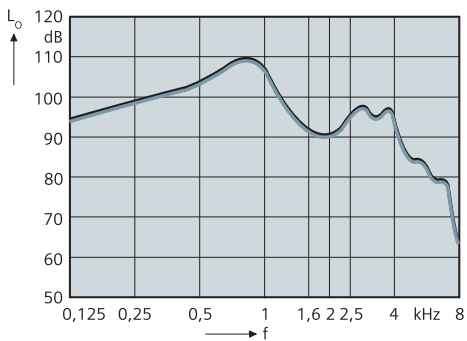
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IEC 118-7/A1;
IEC 60118-7:2005;
ANSI S3.22-2003

Full on Gain
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IEC 118-7/A1;
IEC 60118-7:2005;
ANSI S3.22-2003



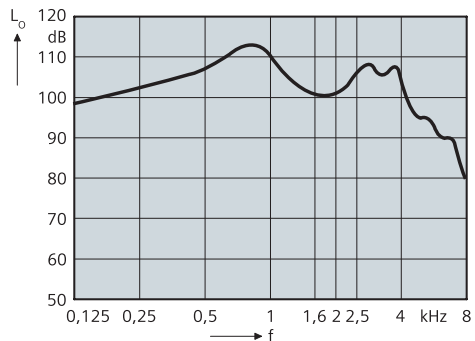
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IEC 118-0/A1

Full on Gain
($L_i = 50$ dB)
IEC 118-0/A1

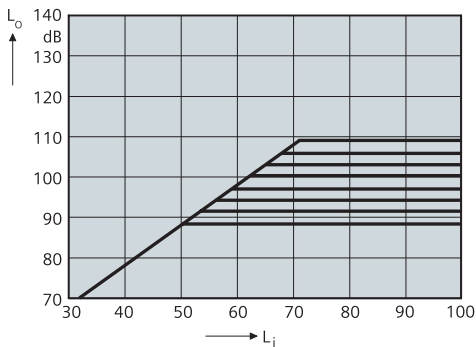


Frequency Response
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IEC 60118-7:2005;
ANSI S3.22-2003

Basic Frequency Response
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IEC 118-7/A1

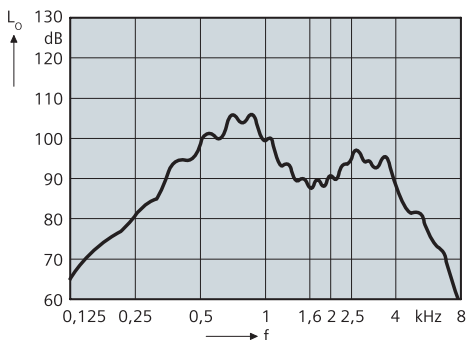


Basic Frequency Response
($L_i = 60$ dB)
IEC 118-0/A1

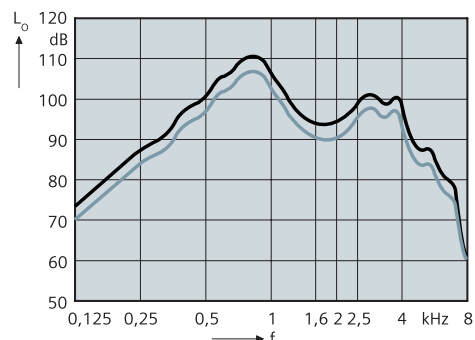


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SPLITS curve left
($H = 31.6$ mA/m)
ANSI S3.22-2003

SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2003

ARTIS 2 S VC · Order numbers

BTE Instrument-Order number

- 101 737 49 beige
- 101 737 50 granite
- 101 737 51 grey
- 101 737 52 brown
- 101 737 53 black
- 101 737 54 silver
- 101 739 53 pearl white
- 102 938 85 transparent
- 102 938 86 translucent orange
- 102 938 87 translucent pink
- 102 938 88 translucent green
- 102 938 89 translucent blue
- 102 938 90 translucent purple
- 102 938 91 light pink
- 102 938 92 light blue



Accessories

- ePocket, remote control
Order number: 087 848 16
- Type plate set ARTIS 2 S VC
Order number: 101 737 98
- Small earhook
Order number: 077 844 45
- Eyeglass adapter
Order number: 077 843 95
- Audio shoe
Order number: 072 204 24

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice.

The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

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P U B L I C I S

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